

## ABSTRACT

This invention is an improvement on typical operating smoke sensors or detectors. By allowing remote detection of smoke/heat, the RF signal detectors presented in this document can turn on their alarms when smoke is detected in other rooms and not by all the detectors in a group. The number of detectors in a group is only limited by the size of the structure in which they are installed. During the winter holidays a Christmas tree smoke/heat detector can be hung on the Christmas tree to give advanced warning if the tree was to ignite. The ornament can transmit to the other detectors in a group, turning all alarms on so anyone in the structure can hear an early warning signal and then hopefully abandon the structure in time.